

What is claimed is:

1. A method of producing a non-aqueous electrolyte secondary battery having the positive electrode, negative electrode, electrolytic solution containing a non-aqueous solvent and supporting salt, separator and gasket, comprising a step of assembling and sealing said positive electrode, negative electrode, non-aqueous solvent, electrolytic solution, separator and gasket in said non-aqueous electrolyte secondary battery by caulking, and step of heating.
2. The method of producing a non-aqueous electrolyte secondary battery according to Claim 1, wherein said battery is provided with connecting terminals by welding to connect itself to an outside device.
3. The method of producing a non-aqueous electrolyte secondary battery according to Claim 1, wherein said battery is heated at 180 to 300°C in the heating step.
4. A method of mounting a non-aqueous electrolyte secondary battery on a circuit substrate, comprising a step of assembling and sealing the positive electrode, negative electrode, non-aqueous solvent, electrolytic solution, separator and gasket in said non-aqueous electrolyte secondary battery by caulking, step of heating, and reflow soldering step to mount said non-aqueous electrolyte secondary battery on said circuit substrate on which it is set.
5. The method of mounting a non-aqueous electrolyte

secondary battery according to Claim 4, which comprises a step of welding connecting terminals to said battery, after it is assembled.

6. The method of mounting a non-aqueous electrolyte secondary battery according to Claim 4, wherein the difference between the temperature-time profile during the heating step and that during the reflow soldering step is within $\pm 50\%$ in a heating region of 0 to 150°C .

7. The method of mounting a non-aqueous electrolyte secondary battery according to Claim 4, wherein the difference between heating step time and reflow soldering step time is within $\pm 50\%$ in a heating region of 0 to 150°C .

8. The method of mounting a non-aqueous electrolyte secondary battery according to Claim 4, wherein the difference between the temperature-time profile during the heating step and that during the reflow soldering step is within $\pm 20\%$ in a heating region of 150 to 180°C .

9. The method of mounting a non-aqueous electrolyte secondary battery according to Claim 4, wherein the difference between heating step time and reflow soldering step time is within $\pm 20\%$ in a heating region of 150 to 180°C .

10. The method of mounting a non-aqueous electrolyte secondary battery according to Claim 4, wherein the difference between the temperature-time profile during the heating step and that during the reflow soldering step is within $\pm 10\%$ in

a heating region of 180 to 300°C.

11. The method of mounting a non-aqueous electrolyte secondary battery according to Claim 4, wherein the difference between heating step time and reflow soldering step time is within $\pm 10\%$ in a heating region of 180 to 300°C.

12. A sealant of rubber-based adhesive with asphalt on the surface for the non-aqueous electrolyte secondary battery.

13. The sealant for the non-aqueous electrolyte secondary battery according to claim 12, wherein said asphalt is a distillate of heated crude oil.

14. The sealant for the non-aqueous electrolyte secondary battery according to Claim 12, wherein said rubber-based adhesive also has said asphalt inside.

15. The sealant for the non-aqueous electrolyte secondary battery according to Claim 12, wherein said asphalt is present at 1 to 50%, inclusive, in the rubber-based adhesive.

16. The sealant for the non-aqueous electrolyte secondary battery according to Claim 12, wherein said asphalt is present at 5 to 20%, inclusive, in the rubber-based adhesive.

17. The sealant for the non-aqueous electrolyte secondary battery according to Claim 12, wherein said asphalt is blown asphalt.

18. The sealant for the non-aqueous electrolyte secondary battery according to Claim 12, wherein said asphalt is straight asphalt.

19. The sealant for the non-aqueous electrolyte secondary battery according to Claim 12, wherein said rubber-based adhesive is butyl rubber-based.

20. A sealant for the non-aqueous electrolyte secondary battery product by mixing an asphalt with rubber-based adhesive in the presence of an organic solvent.

21. A method of producing sealant for non-aqueous electrolyte secondary battery comprising: mixing rubber-based adhesive and asphalt in organic solvent.

22. The method of producing sealant for non-aqueous electrolyte secondary battery, wherein the rubber-based adhesive is butyl rubber-based.

23. The method of producing sealant for non-aqueous electrolyte secondary battery, further comprising heating after the mixing.

24. The method of producing sealant for the non-aqueous electrolyte secondary battery according to Claim 21, wherein said organic solvent is toluene.

25. A method of producing a non-aqueous electrolyte secondary battery comprises a step of assembling and sealing the positive electrode, negative electrode, non-aqueous solvent, electrolytic solution, separator and gasket in said non-aqueous electrolyte secondary battery by caulking, after a solution of the rubber-based adhesive and asphalt dissolved in an organic solvent is spread over the inner surfaces of the positive

